



DEPARTMENT OF PERMITTING, ENVIRONMENT, AND REGULATORY
AFFAIRS (PERA)
BOARD AND CODE ADMINISTRATION DIVISION

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION

11805 SW 26 Street, Room 208

Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599

www.miamidade.gov/building

NOTICE OF ACCEPTANCE (NOA)

Varco Pruden Buildings, Inc.
7031 Albert Pick Road, Suite 200
Greensboro, NC 27409

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County PERA-Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. PERA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: 0.024" (min.) 3" x 24" Steel Structural Roof Panel

APPROVAL DOCUMENT: Drawing No. FLVPHWR1, titled "VP HWR Panel (24" wide x 24 GA. Steel), sheets 1 through 8 of 8, prepared by Varco Pruden Buildings, Inc., last revision #1 dated November 30, 2011, signed and sealed by Larry L. Boozer, P.E., on December 07, 2011, bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and the expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each panel shall bear a permanent label with the manufacturer's name or logo, Jackson, TN and the following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises NOA # 09-0917.10 and consists of this page 1, evidence submitted pages E-1 & E-2 as well as approval document mentioned above.

The submitted documentation was reviewed by **Helmy A. Makar, P.E., M.S.**



Helmy A. Makar
04/26/2012

NOA No. 11-1215.01
Expiration Date: 01/20/2015
Approval Date: 04/26/2012
Page 1

Varco Pruden Buildings, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #09-0917.10

A. DRAWINGS

1. *Drawing No. FLVPHWR1, titled "VP HWR Panel (24" wide x 24 GA. Steel), sheets 1 through 4 of 4, including 2.1, 2.2, 3.1, 3.2, prepared by Varco Pruden Buildings, Inc., signed and sealed by Larry L. Boozer, P.E., on November 25, 2009.*

B. TESTS

1. *Susceptibility to Leakage Test in accordance with FM 4471, Appendix G, prepared by Force Engineering and Testing, Inc., Report No. 201-0254T-09L, dated September 09, 2009, signed and sealed by Terrence E. Wolfe, P.E.*
2. *Uniform Static Air Pressure Test in accordance with ASTM E 1592, prepared by Force Engineering and Testing, Inc., Report No. 201-0254T-09D-F, dated September 01, 2009, signed and sealed by Terrence E. Wolfe, P.E.*
3. *Wind and Wind Driven Rain Resistance of Discontinuous Roof Systems Test in accordance with TAS 100-95, prepared by Farabaugh Engineering and Testing, Inc., Report No. T220-09, dated September 07, 2009, signed and sealed by Daniel G. Farabaugh, P.E.*
4. *Large Missile Test per TAS 201, prepared by Farabaugh Engineering and Testing, Inc., Report No. T199REV1-09, dated June 11, 2009, signed and sealed by Daniel G. Farabaugh, P.E.*

C. CALCULATIONS


1. *Calculation titled Varco-Pruden Buildings "VP HWR Panel (24" wide x 24 GA. Steel), 25 sheets, dated 09/14/09, prepared and signed and sealed by Larry L. Boozer, P.E.*

D. QUALITY ASSURANCE

1. *By Miami-Dade County Building Code Compliance Office.*

E. MATERIAL CERTIFICATIONS

1. *Tensile Test Report # W0910025, prepared by Building Research Systems, Inc., dated August 24, 2009.*



Helmy A. Makar, P.E., M.S.
PERA, Product Control Unit Supervisor
NOA No. 11-1215.01
Expiration Date: 01/20/2015
Approval Date: 04/26/2012

Varco Pruden Buildings, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. *Drawing No. FLVPHWR1, titled " VP HWR Panel (24" wide x 24 GA. Steel), sheets 1 through 8 of 8, prepared by Varco Pruden Buildings, Inc., last revision #1 dated November 30, 2011, signed and sealed by Larry L. Boozer, P.E., on December 07, 2011.*

B. TESTS

1. *None.*

C. CALCULATIONS

1. *None.*

D. QUALITY ASSURANCE


1. *By Miami-Dade County Department of Permitting, Environment, and Regulatory Affairs (PERA).*

E. MATERIAL CERTIFICATIONS

1. *None.*

F. OTHERS

1. *Conformance Letter to the 2010 Florida Building Code, prepared by Varco Pruden Buildings, Inc., dated December 07, 2011, signed and sealed by Larry L. Boozer, P.E.*

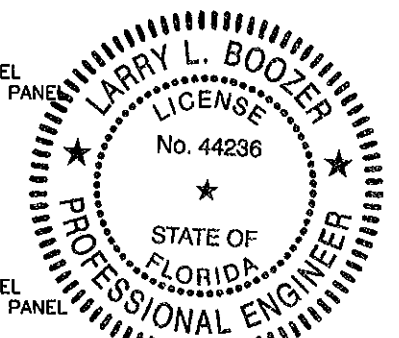


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PERA, Product Control Unit Supervisor
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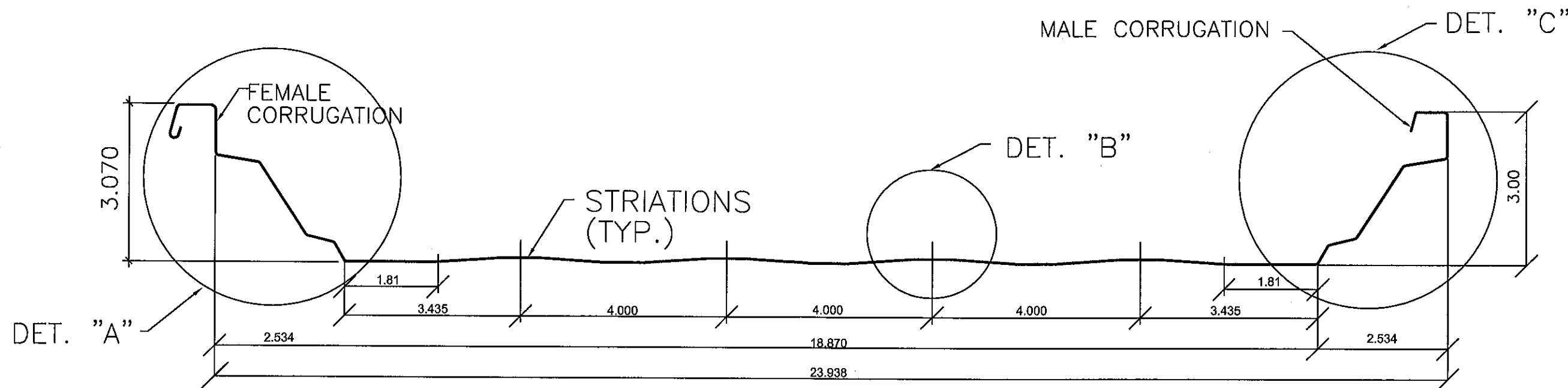
ANEL SHEETING PLAN

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 11-1215.01
Expiration Date 01/20/2015
By [Signature]
Miami Dade Product Control



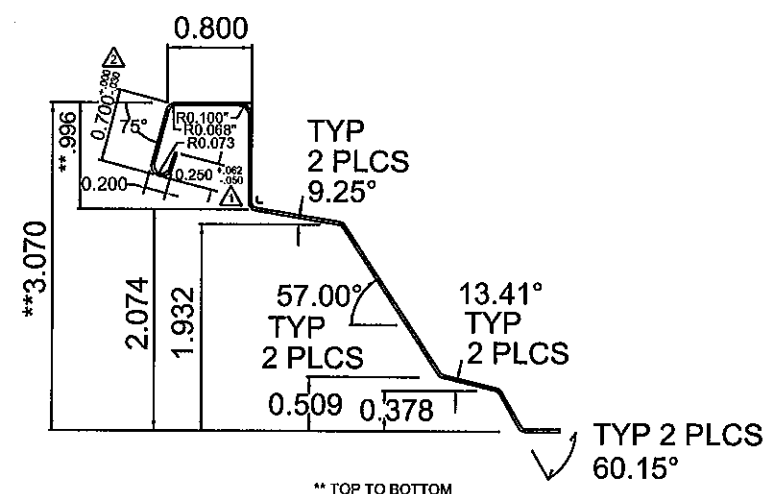
LARRY L. BOOZER PE
No. 44236
VP BUILDINGS
7031 ALBERT PICK ROAD
SUITE 200
GREENSBORO, NC 27409

DRAWING NO	FLVPHWR1
DATE	09/01/09
DRAWN/CHECK	THL /
PAGE	1 OF 8



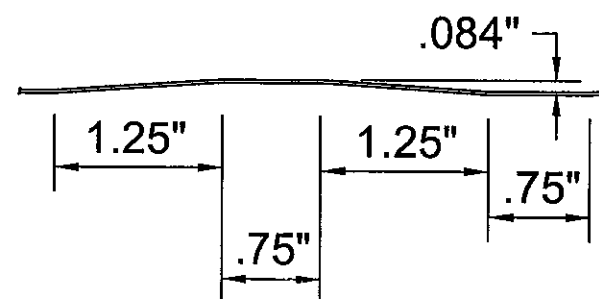
VP HWR PANEL PROFILE

($t = 0.024"$ MIN.)

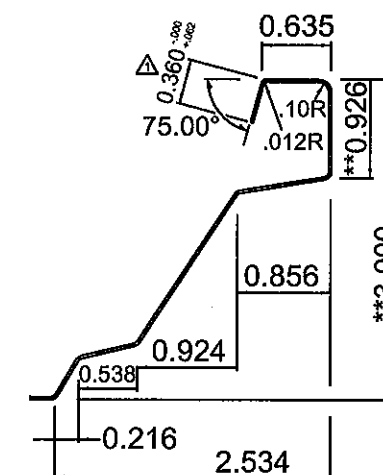


DETAIL "A"

MINIMUM ROOF SLOPE:
1/4:12

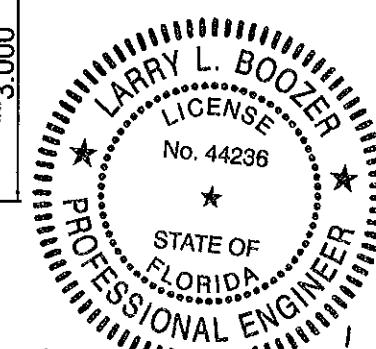


DETAIL "B"



DETAIL "C"

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 11-1215.01
Expiration Date 01/20/2015
By *Heather A. Miller*
Miami Dade Product Control



LARRY L. BOOZER PE
No. 44236
VP BUILDINGS
7031 ALBERT PICK ROAD
SUITE 200
GREENSBORO, NC 27409

NOTE: THIS PANEL SHALL BE USED FOR ROOF CONSTRUCTION ONLY. FRAMING AND DETAILS SHOWN REPRESENT ACTUAL CONSTRUCTION DETAILS IN FIELD AND FOR TEST SPECIMENS USED IN TAS125-03 STANDARD REQUIREMENTS FOR METAL ROOF SYSTEMS. SIZES OF TEST APPARATUS VARY, REFER TO SPECIFIC TEST FOR SAMPLE SIZE. EACH ACTUAL ROOF PROJECT SHALL BE CONSTRUCTED USING THE SAME DETAILS SHOWN ON THESE DRAWINGS, INCLUDING: A) DETAILS OF ALL VP HWR SECTIONS WITH DIMENSIONS AND THICKNESS; B) ASSEMBLY DETAILS INCLUDING ALL CONNECTIONS; C) FASTENER DIAGRAM WITH THE SIZE AND LOCATION; D) PANEL MATERIAL CHARACTERISTICS. THE PANEL MEETS REQUIREMENTS OF THE 2010 FLORIDA BUILDING CODE.

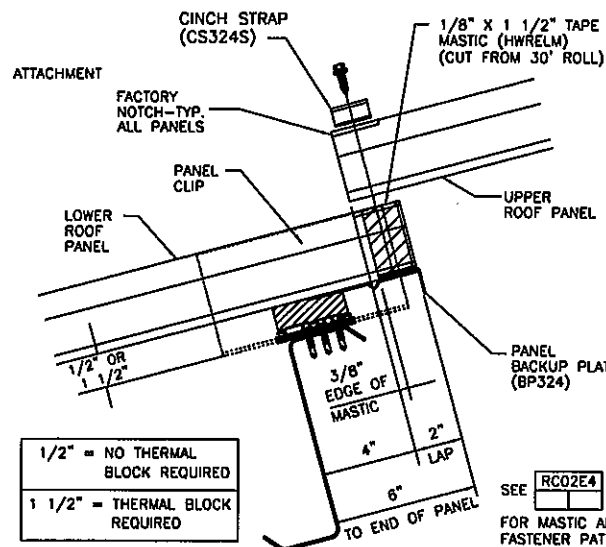
THE VP ENGINEER'S SEAL APPLIES ONLY TO THE WORK PRODUCT OF VP AND DESIGN AND PERFORMANCE REQUIREMENTS SPECIFIED BY VP. THE VP ENGINEER'S SEAL DOES NOT APPLY TO THE PERFORMANCE OR DESIGN OF ANY OTHER PRODUCT OR COMPONENT FURNISHED BY VP EXCEPT TO ANY DESIGN OR PERFORMANCE REQUIREMENTS SPECIFIED BY VP.

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REV	DATE	BY	DESCRIPTION
1	11/30/11	LLB	SECTIONS AND NOTES
NTS			

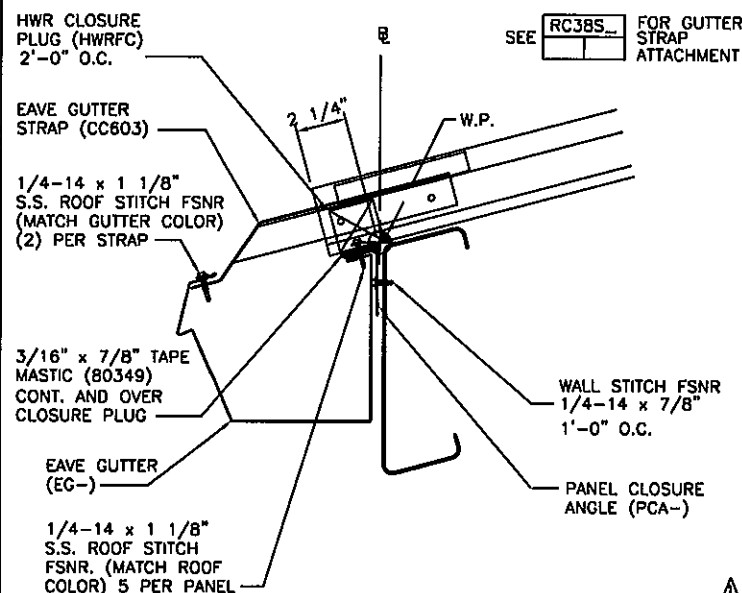
Varco Pruden Buildings, a division of BlueScope Buildings North America, Inc. 3200 Players Club Circle Memphis TN 38125		VP HWR PANEL (24" WIDE x 24 GA. STEEL)	
BUILDER	CUSTOMER	DATE	DRAWN/CHECK
LOCATION	PROJECT	BUILDERS PO#	VP BUILDINGS VARCO-PRUDEN A BlueScope Steel Company VPC VERSION: 7.1c
DRAWING NO. FLVPHWR1		PAGE 2 OF 8	



VP HWR ROOF

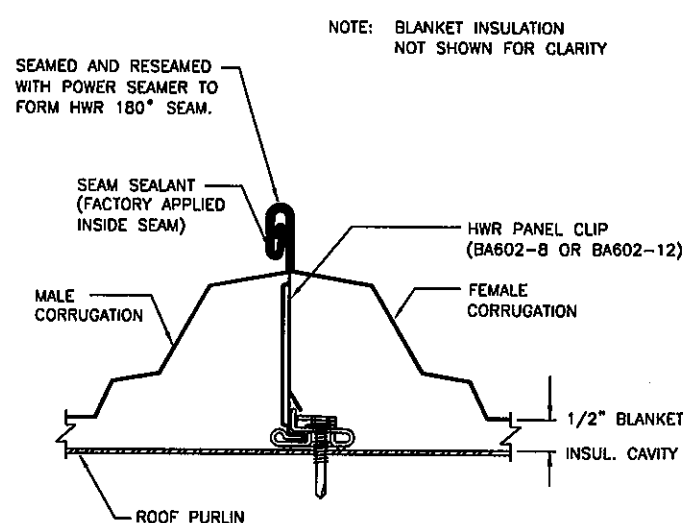
PANEL ENDLAP
RC02B7V1 01/17/2005

MAXIMUM LENGTH: 45'-0"
TOLERANCES: DIM. $\pm .0313"$ ($\frac{1}{32}"$)
ANGLES: $\pm 2^\circ$
ALL INSIDE RADIUS = .125" ($\frac{1}{8}"$)



VP HWR ROOF W/ EAVE GUTTER

PR, VR OR RPR WALL
RC32A1VB R 06/20/2007

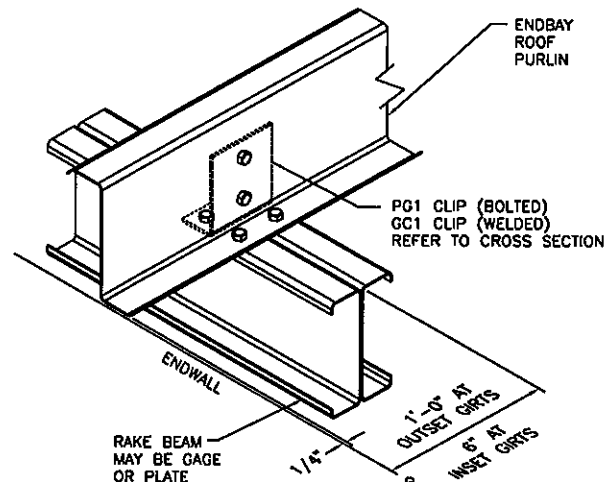


VP HWR ROOF

PANEL SIDELAP
RC03B7V1 01/17/2005

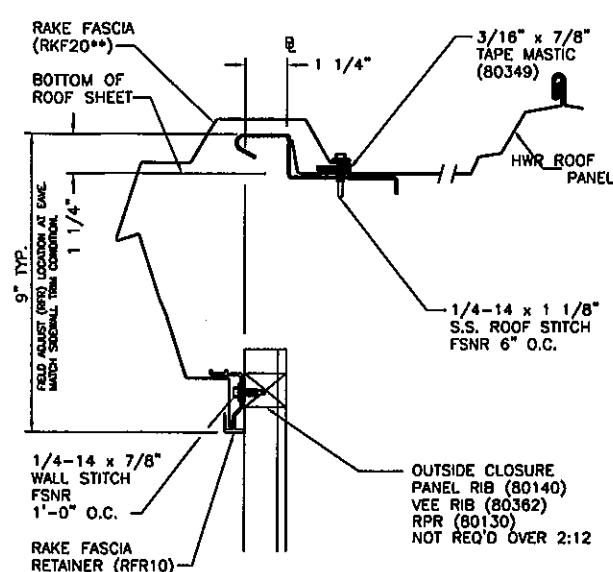
REFERENCE GAGE	THICKNESS	BLANK WIDTH	MATERIAL AND FINISH
24	0.024(MIN.)	30.1875"	REFER TO THE QUALITY CONTROL REFERENCE MANUAL

NOTE: NO CLIP REQ'D UNLESS NOTED ON FRAME CROSS SECTION.



PURLIN CONN. TO END FRAME

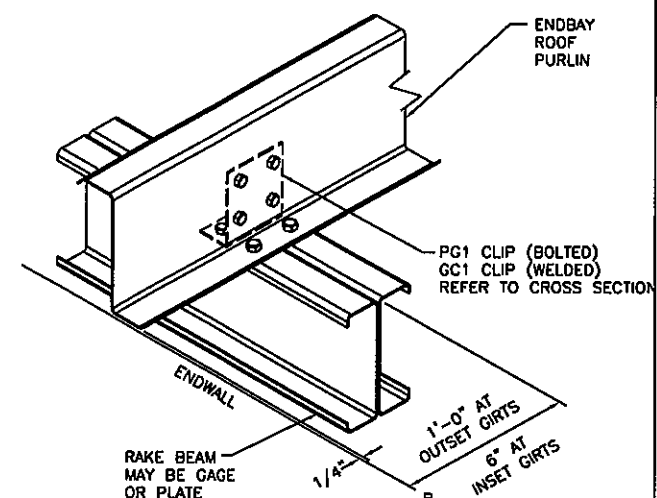
6 1/2" OR 8 1/2" CONT.
RS02A1VB R 11/27/2006



VP HWR ROOF RAKE TRIM

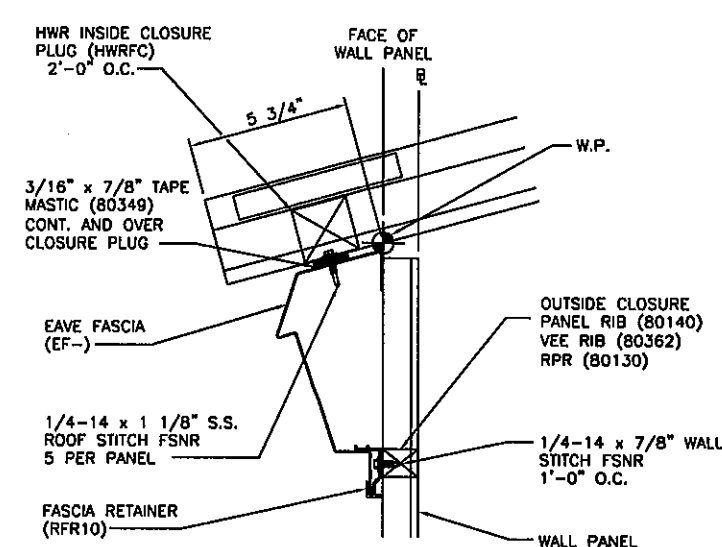
PR, VR OR RPR WALL
RC30A2V7 R 05/31/2005

NOTE: NO CLIP REQ'D UNLESS NOTED ON FRAME CROSS SECTION.



PURLIN CONN. TO END FRAME

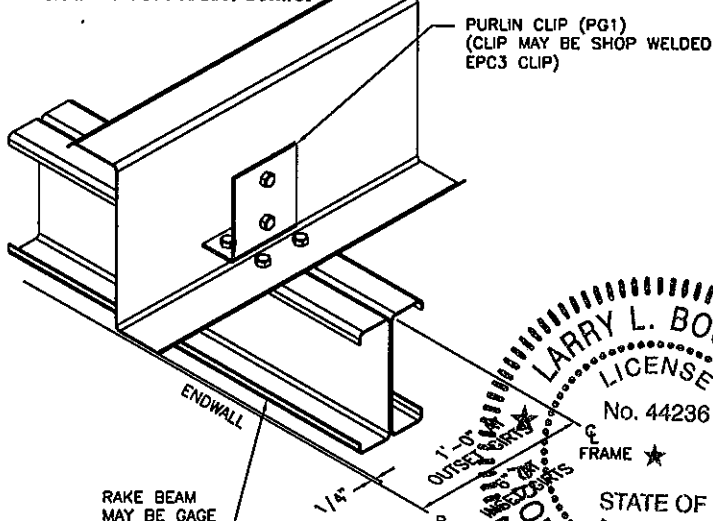
6 1/2" OR 8 1/2" SIMPLE PURLINS
RS02A3VB R 11/27/2006



VP HWR ROOF W/ EAVE FASCIA

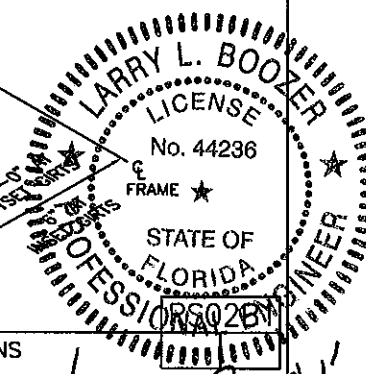
PR, VR OR RPR WALL
RC31A1VB R 05/31/2005

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as complying with the Florida
Building Code
Acceptance No. 11-1215.01
Expiration Date 01/20/2015
By *Harry L. Boozer*
Miami Dade Product Control



PURLIN AT END FRAME

11 1/2" CONTINUOUS / SIMPLE PURLINS
RS02B1V11 R 06/29/2007



LARRY L. BOOZER
No. 44236
VP BUILDINGS
7031 ALBERT PICK ROAD
SUITE 200
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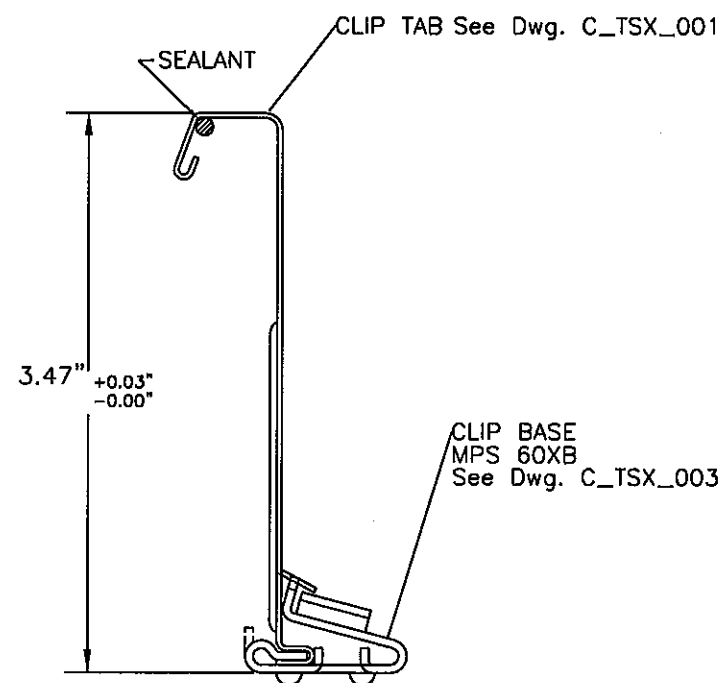
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REV	DATE	BY	DESCRIPTION	BUILDER
1	11/30/11	LLB	SECTIONS AND NOTES	
2				
3				
4				
5				

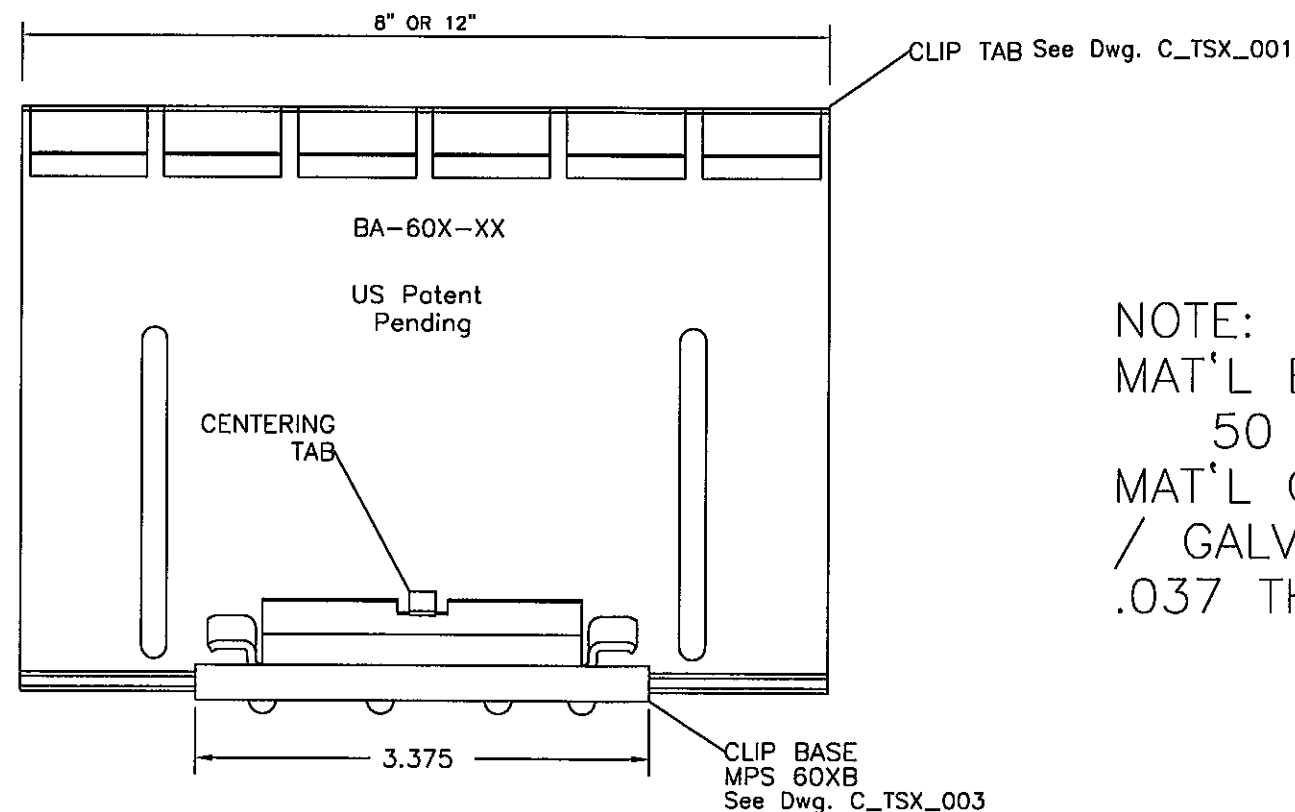
VP HWR PANEL (24" WIDE x 24 GA. STEEL)			
BUILDER	CUSTOMER	LOCATION	PROJECT



DRAWING NO. FLVPHWR1
DATE 09/01/09
DRAWN/CHECK THL /
PAGE 3 OF 8



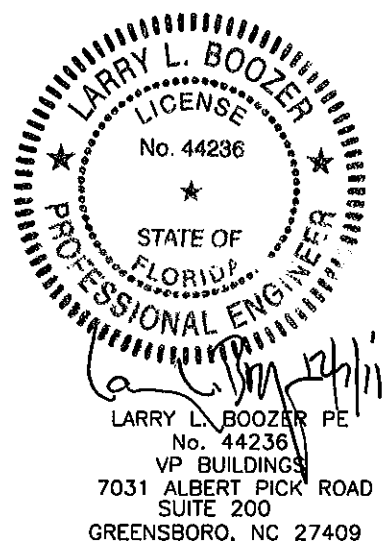
END VIEW OF 8" & 12" CLIPS



NOTE:
 MAT'L BASE G-90 GALVANIZED
 50 KSI MIN YLD .064 THICK
 MAT'L CLIP TAB G-90 GALVANIZED
 / GALVALUME 50 KSI MIN YLD
 .037 THICK.

VP HWR PANEL CLIP DETAILS AND SPECIFICATIONS

PRODUCT REVISED
 as complying with the Florida
 Building Code
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 Expiration Date 01/20/2015
 By *Healy A. Healy*
 Miami Dade Product Control



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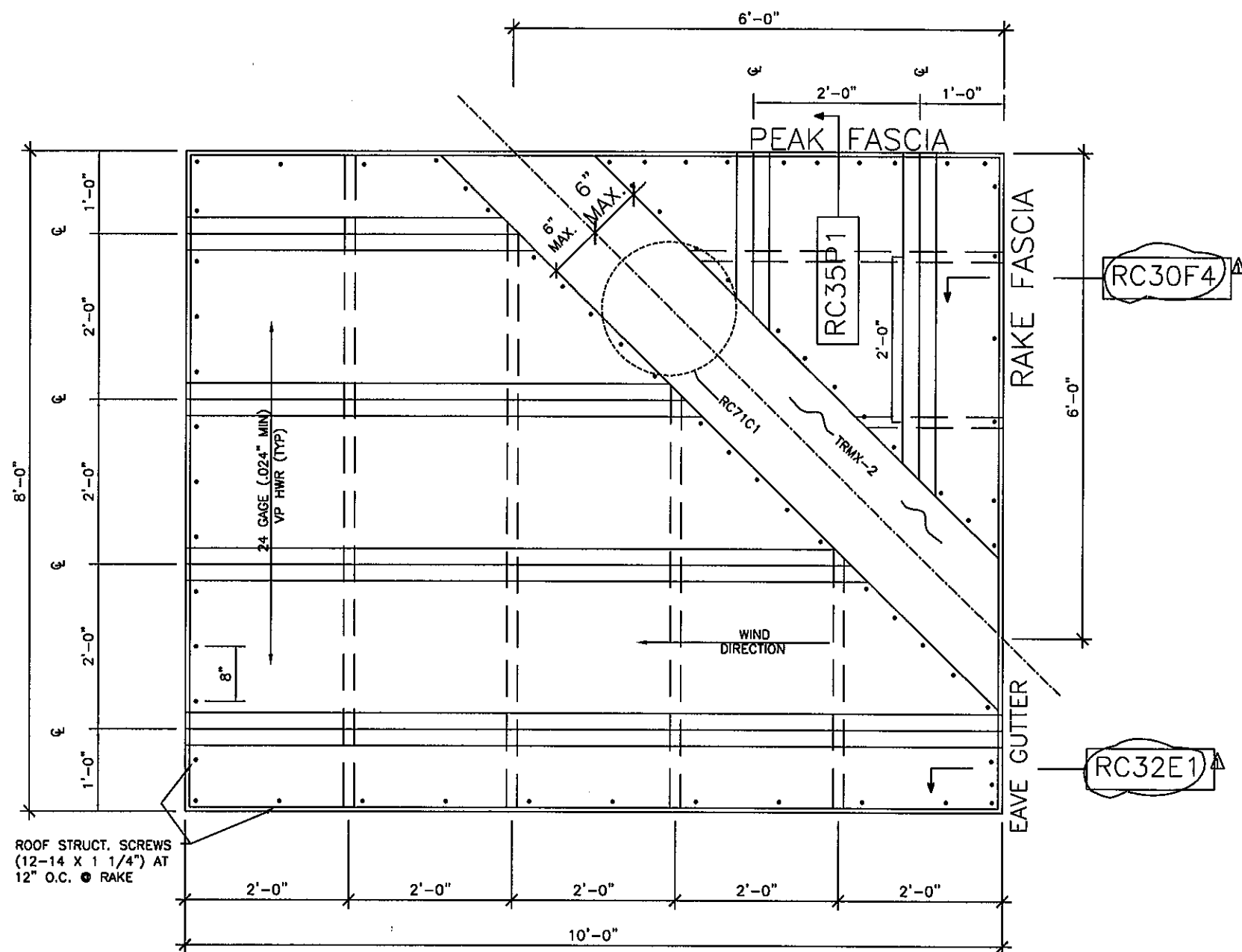
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REV	DATE	BY	DESCRIPTION
1	11/30/11	LLB	SECTIONS AND NOTES

Varco Pruden Buildings, a division of BlueScope Buildings North America, Inc. 3200 Players Club Circle Memphis TN 38125	VP HWR PANEL (24" WIDE x 24 GA. STEEL)
BUILDER	CUSTOMER
LOCATION	PROJECT
BUILDERS PO#	

VP BUILDINGS
 VARCO-PRUDEN
 A BlueScope Steel Company
 VPC VERSION: 7.1c

DRAWING NO
 FLVPHWR1
 DATE
 09/01/09
 DRAWN/CHECK
 THL /
 PAGE 4 OF 8



VP HWR systems consists of 0.024" (min.) 3" x 24" steel structural roof panel. VP HWR panels are factory-formed and field-machined seamed in place yielding a single unit membrane. Thermal compensating concealed clips connect the panels to secondary structural members which with sealants, mastics, closures, trim and flashing provide a weathertight and finished appearance. VP HWR panels provide 24" wide net coverage and have 3" high major ribs. Minimum roof pitch is 0.25: 12.

Roof panel mechanical properties:

Galvalume and galvanized steel coil used in roll formed or press broken roof covering generally will be material based on the requirements of ASTM A792 SS, Class 1 or 4 Gr. 50 for galvalume and A653 for galvanized. The minimum yield strength $F_y = 53,300$ psi, tensile strength $F_u = 65000$ psi.

Roof panel coatings and/or finishes consist of the following:

- (1.) Galvalume AZ55 an aluminum-zinc alloy coating thickness of approximately .0018" applied to both sides of base metal.
- (2.) Galvalume AZ50 an aluminum-zinc alloy coating thickness of approximately .0016" applied to both sides of base metal.
- (3.) Galvanized G90 a zinc coating thickness of approximately .0015" applied to both sides of base metal.
- (4.) Galvalume AZ55 may or may not have a KXL coating.
- (5.) Galvalume AZ50 and Galvanized G90 must have a KXL coating.

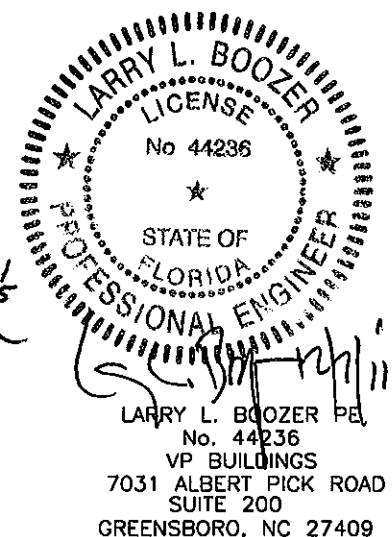
Fasteners:

Exposed fasteners are self drilling, stainless steel-capped with integral sealing washer. Color of fastener heads match the roof panel finish when specified. Concealed fasteners for roof clip to roof secondary are self drilling. Location size and quantities as specified in details. Fasteners are manufactured by ITW Buildex, 1349 West Manor Ave., Itasca, IL 60143

Closures, Mastics, and Sealants:

Closures, formed to match roof panel profiles are supplied as required or specified to provide weathertightness. Closures are of a coated coil material, normally EPDM ethylene-propylene-duene-monomer) in a gray or neutral color. Closures are manufactured by Hanna Rubber Company Inc. 1511 Baltimore Ave. Kansas City, MO 64108. Preformed tape mastics, and/or non-skinning tube sealants are supplied for the sidelaps and endlaps of all Varco-Pruden roof coverings. Tape mastic is preformed butyl rubber-based compound. The compound is non-hardening, non-corrosive to metal and has excellent adhesion properties. Tape mastic is white or light gray in color. Tape mastic is manufactured by Sika Corp. 30800 Stephenson Hwy. Madison Heights, MI 48071. Tube sealant is a synthetic elastomer based material. Sealant color is gray or bronze. Tube sealant is manufactured by Sika Corp. 30800 Stephenson Hwy. Madison Heights, MI 48071.

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By *Helmut A. Boozar*
Miami Dade Product Control



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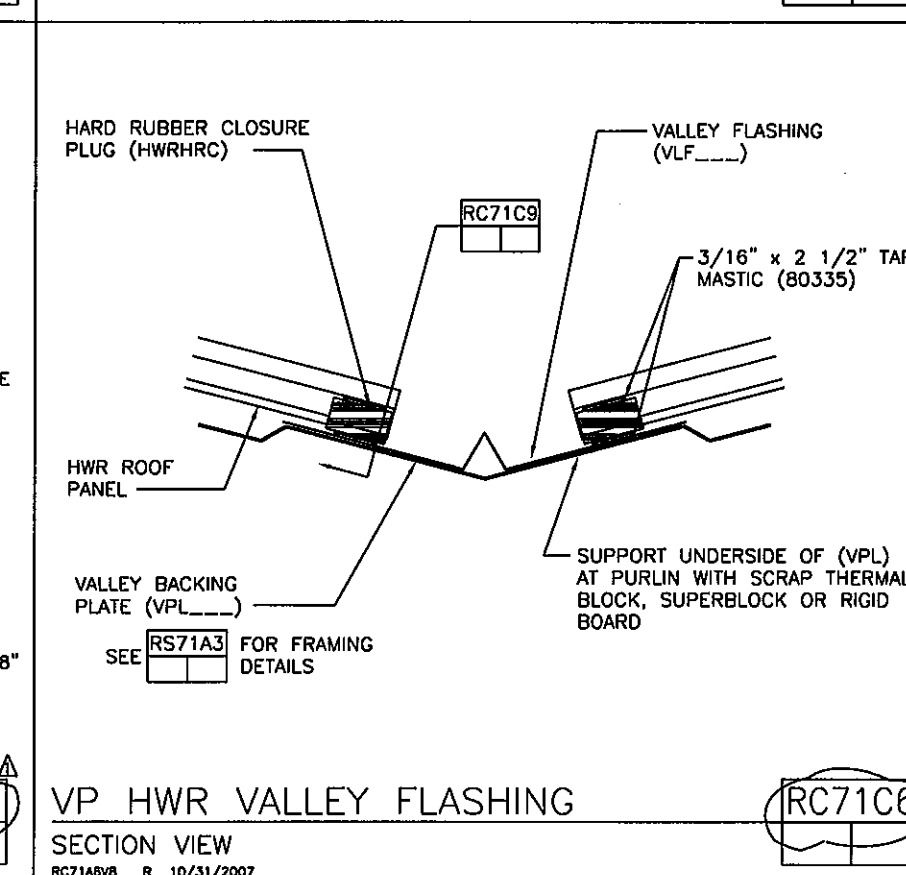
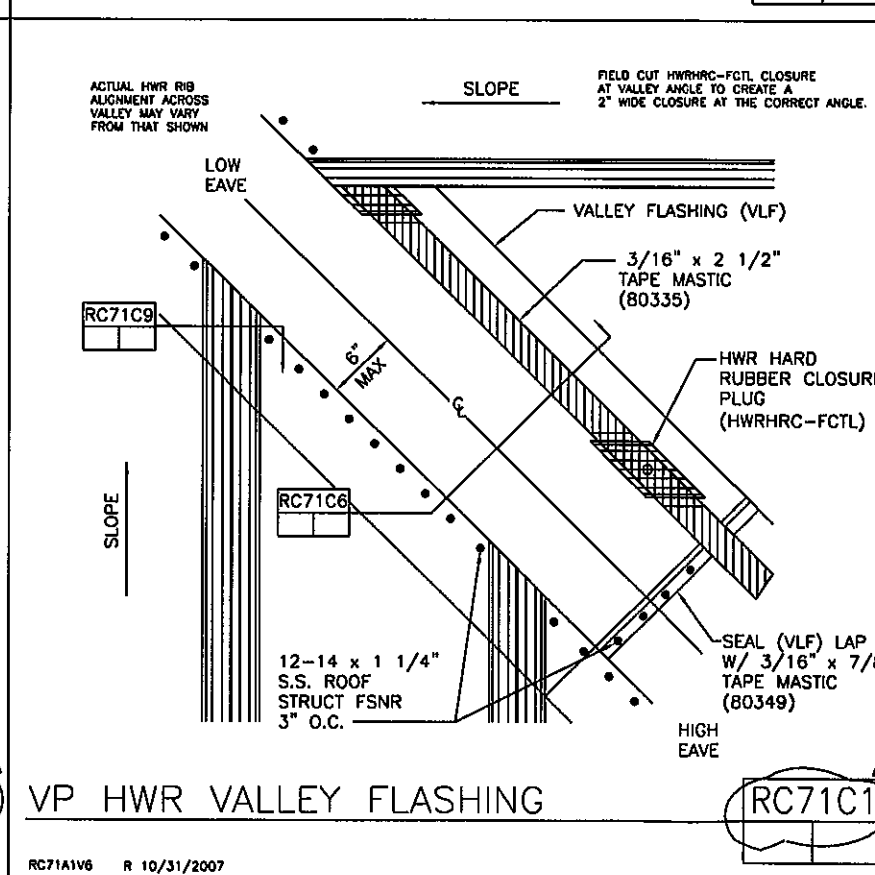
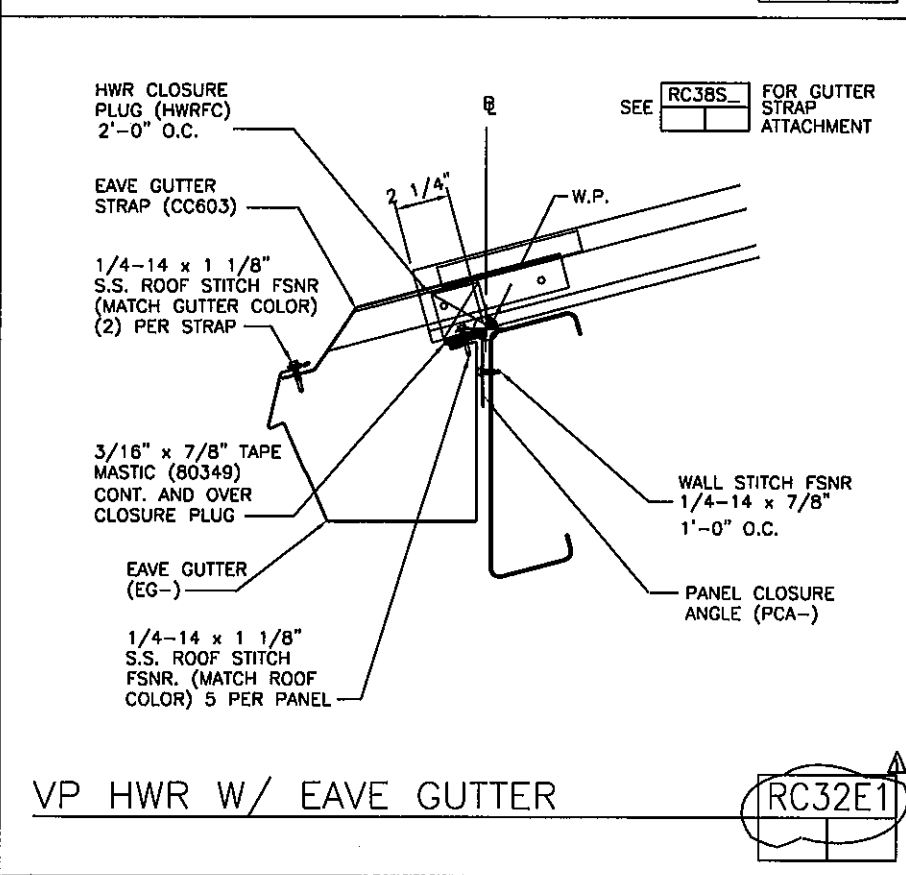
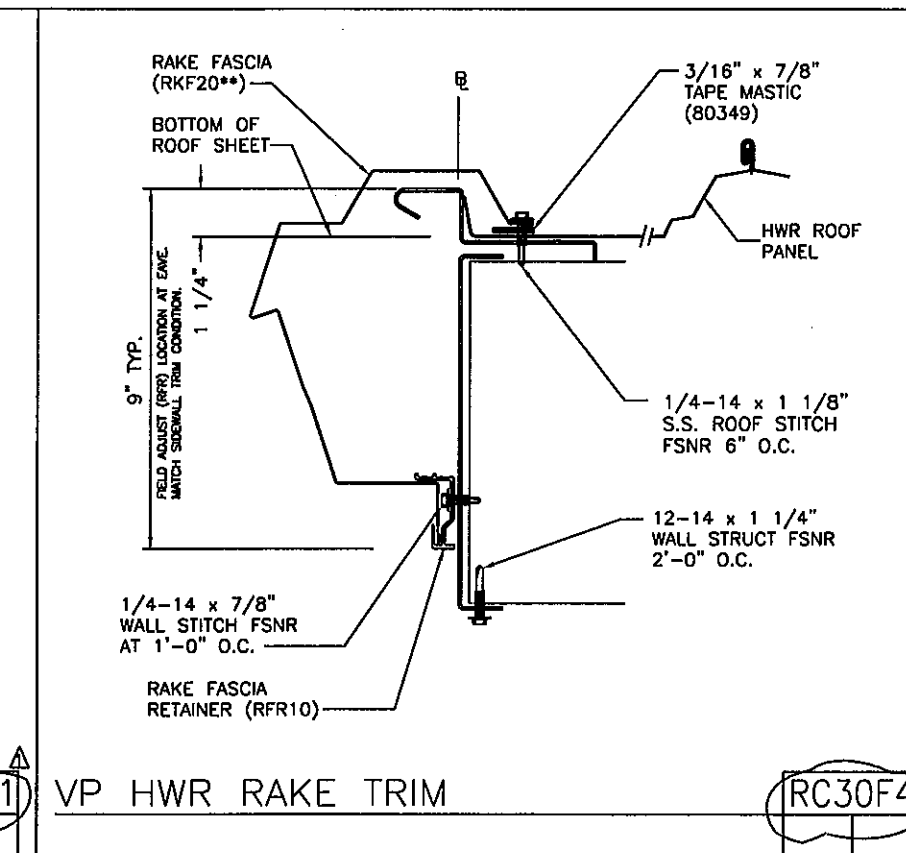
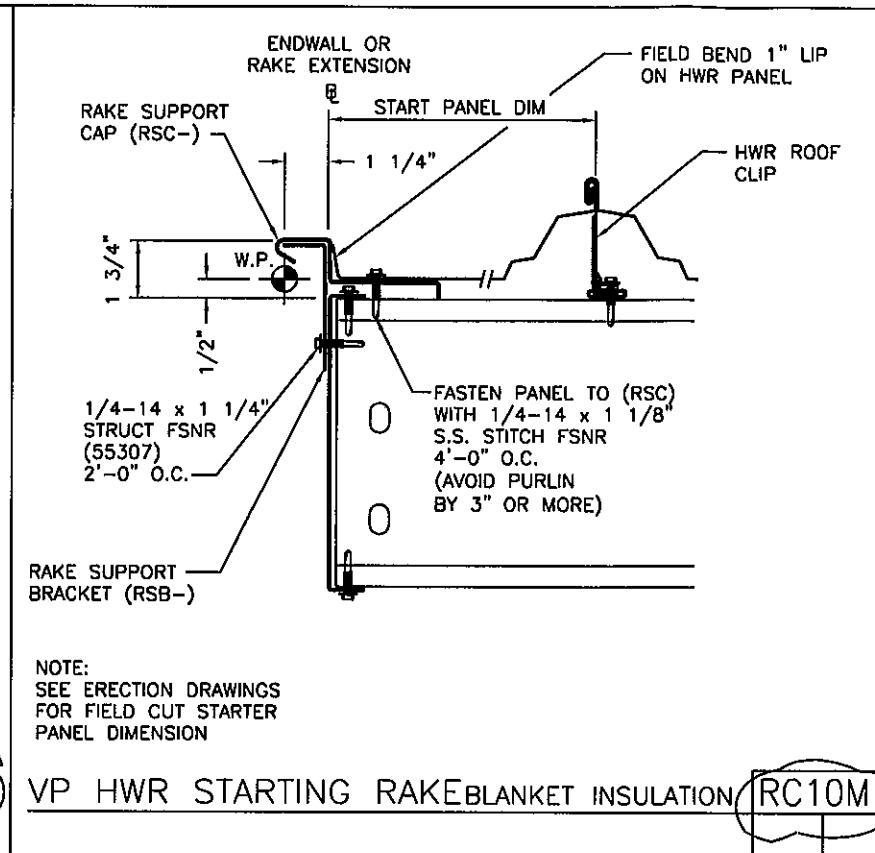
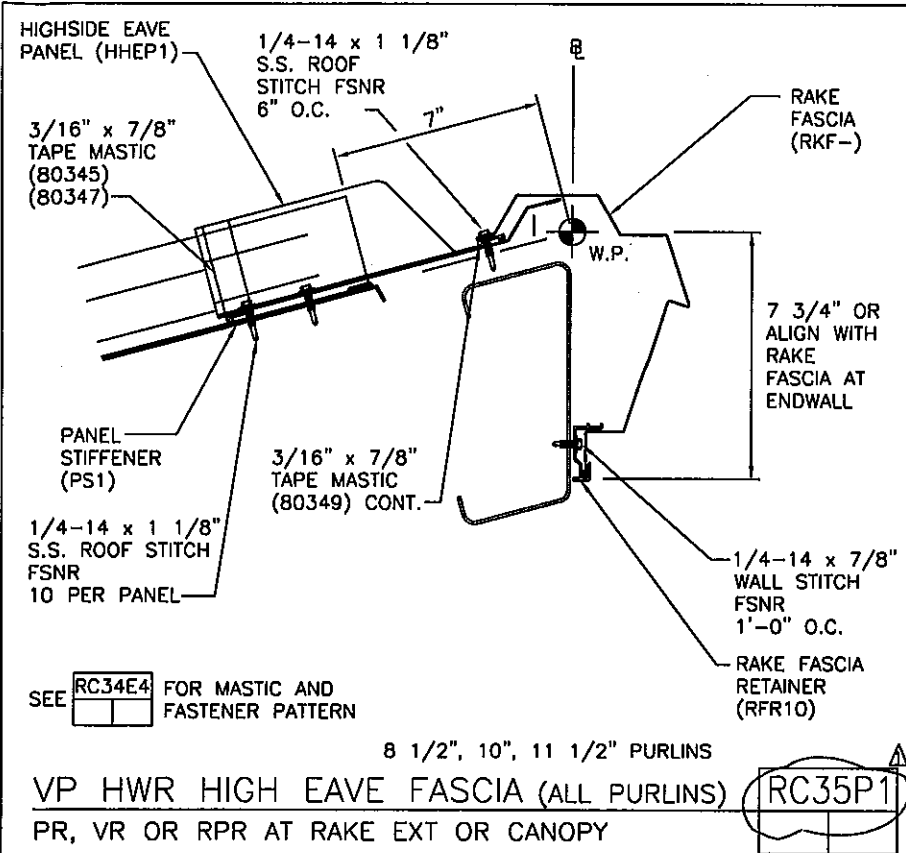
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Varco Pruden Buildings, a division of BlueScope Buildings North America, Inc. 3200 Players Club Circle Memphis TN 38125			
REV	DATE	BY	DESCRIPTION
1	11/30/11	LLB	SECTIONS AND NOTES
NTS			

VP HWR PANEL (24" WIDE x 24 GA. STEEL)	
BUILDER	CUSTOMER
LOCATION	PROJECT
BUILDERS PO#	
DRAWING NO. FLVPHWR1	
DATE	09/01/09
DRAWN/CHECK	THL /
PAGE 5 OF 8	





PRODUCT REVISED as complying with the Florida Building Code
 Acceptance No 11-1215.01
 Expiration Date 01/20/2015
 By *[Signature]*
 Miami Dade Product Control

LARRY L. BOOZER
 LICENSE No. 44236
 STATE OF FLORIDA
 PROFESSIONAL ENGINEER
 LARRY L. BOOZER PE
 No. 44236
 VP BUILDINGS
 7031 ALBERT PICK ROAD
 SUITE 200
 GREENSBORO, NC 27409

NOTE: THIS PANEL SHALL BE USED FOR ROOF CONSTRUCTION ONLY. FRAMING AND DETAILS SHOWN REPRESENT ACTUAL CONSTRUCTION DETAILS IN FIELD AND FOR TEST SPECIMENS USED IN TAS125-03 STANDARD REQUIREMENTS FOR METAL ROOF SYSTEMS. SIZES OF TEST APPARATUS VARY, REFER TO SPECIFIC TEST FOR SAMPLE SIZE. EACH ACTUAL ROOF PROJECT SHALL BE CONSTRUCTED USING THE SAME DETAILS SHOWN ON THESE DRAWINGS, INCLUDING: A) DETAILS OF ALL VP HWR SECTIONS WITH DIMENSIONS AND THICKNESS; B) ASSEMBLY DETAILS INCLUDING ALL CONNECTIONS; C) FASTENER DIAGRAM WITH THE SIZE AND LOCATION; D) PANEL MATERIAL CHARACTERISTICS. THE PANEL MEETS REQUIREMENTS OF THE 2010 FLORIDA BUILDING CODE.

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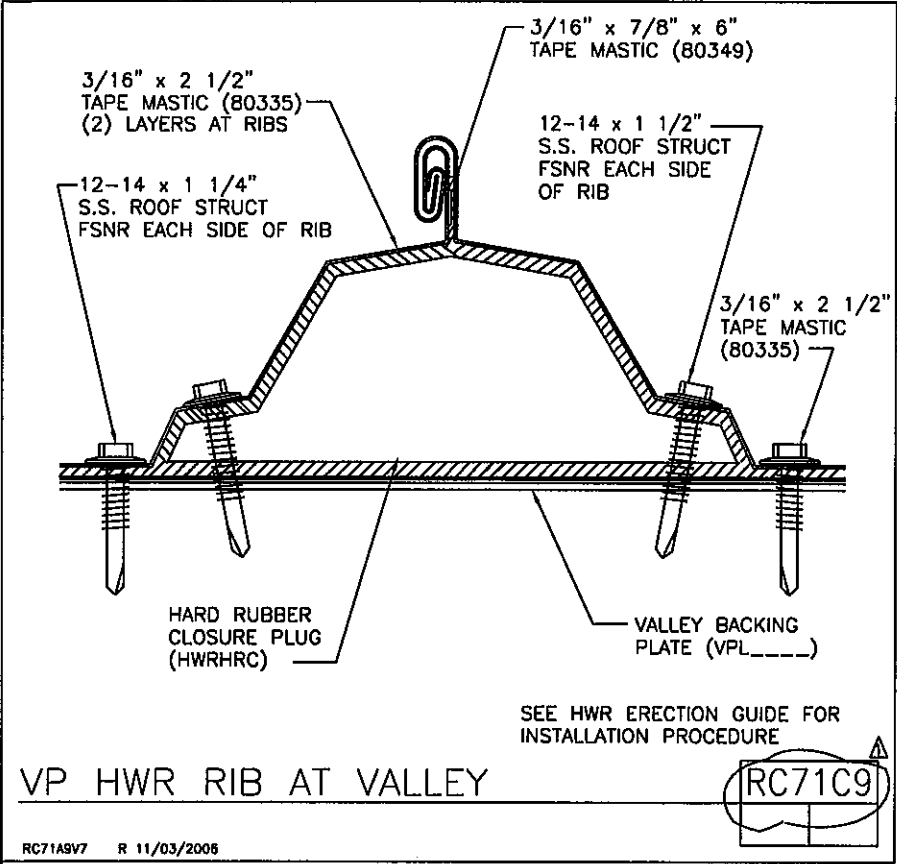
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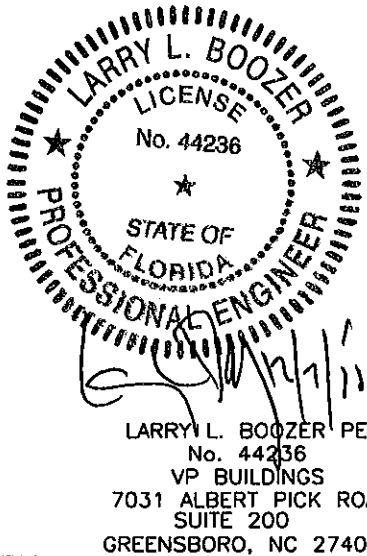
REV	DATE	BY	DESCRIPTION	BUILDER
1	11/30/11	LLB	SECTIONS AND NOTES	

VP HWR PANEL (24" WIDE x 24 GA. STEEL)	
DATE	FLVPHWR1
09/01/09	
LOCATION	DRAWN/CHECK
PROJECT	BUILDERS PO#

VP BUILDINGS
 VARGO-PRUDEN
 A BlueScope Steel Company
 VPC VERSION: 7.1c
 PAGE 6 OF 9



PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 11-1215.01
Expiration Date 01/20/2015
By [Signature]
Miami Dade Product Control



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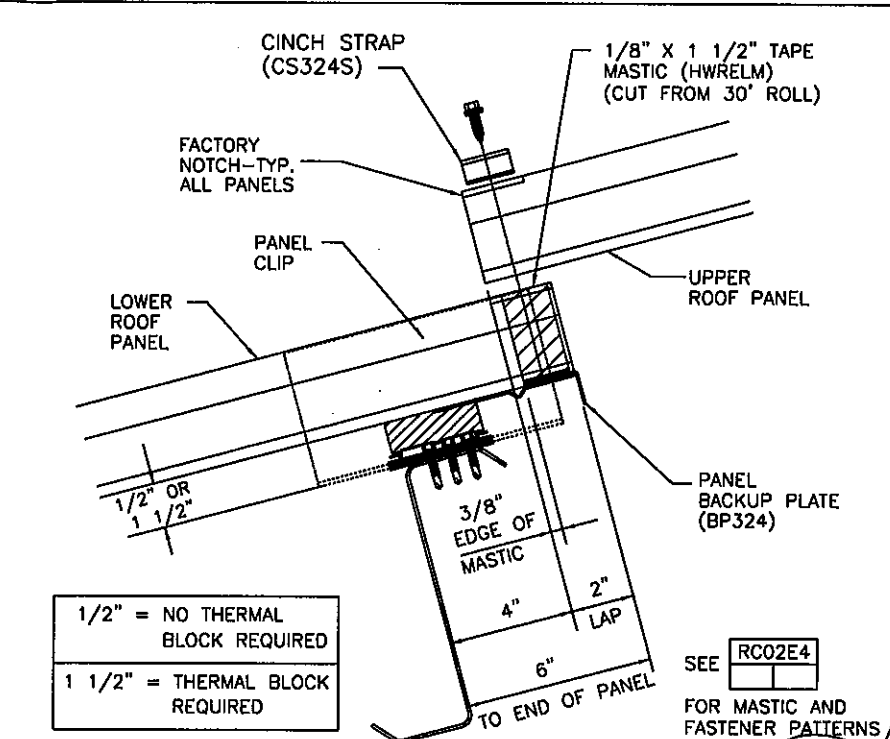
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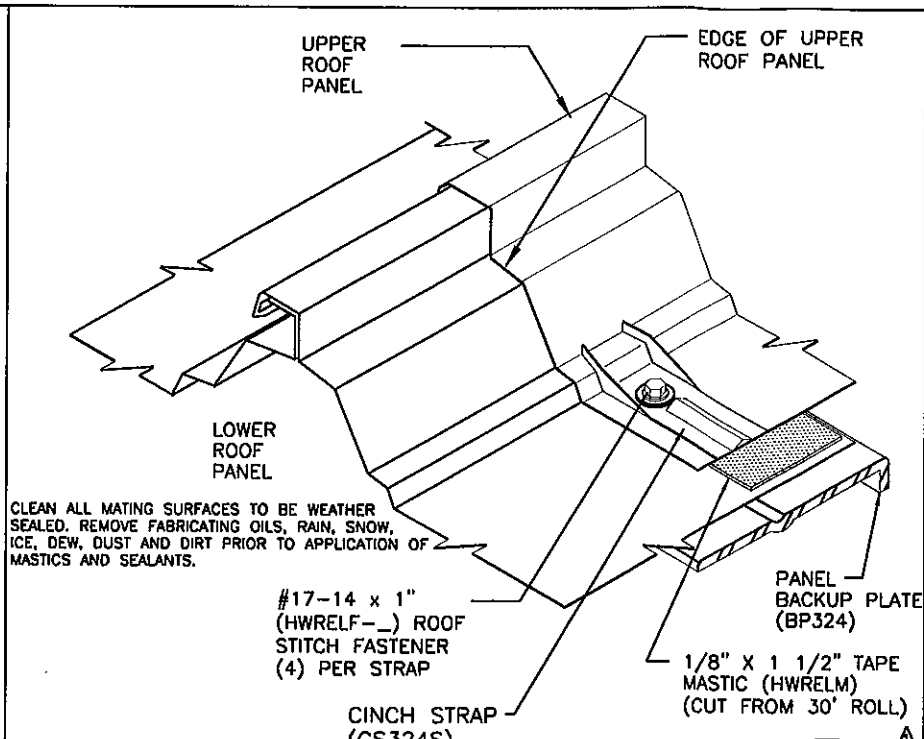
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REV	DATE	BY	DESCRIPTION
Δ	11/30/11	LB	SECTIONS AND NOTES
NTS			

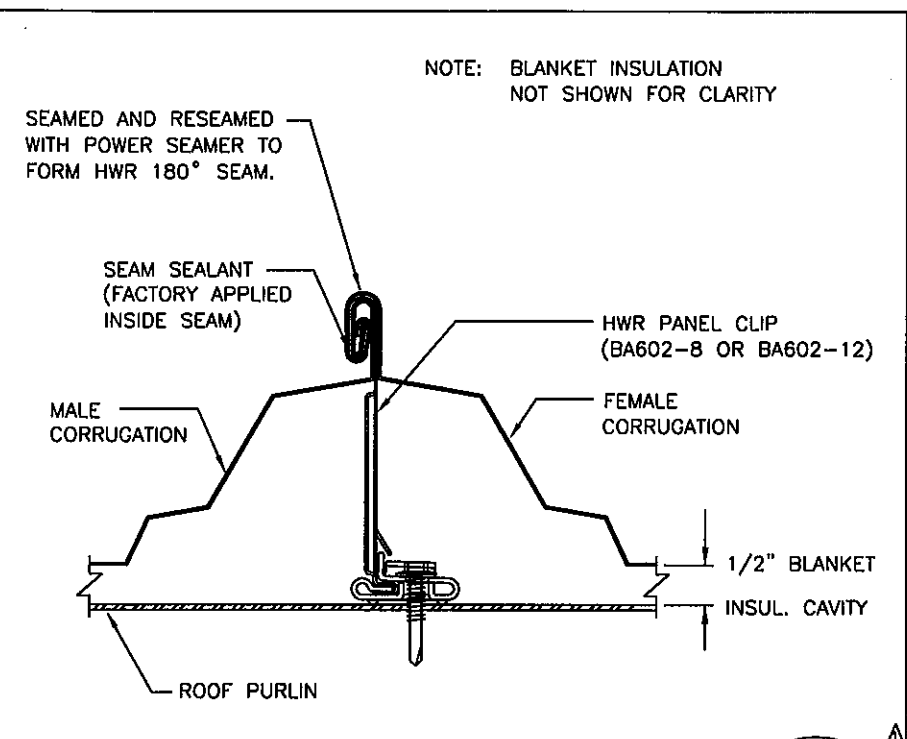
VP HWR PANEL (24" WIDE x 24 GA. STEEL)			
BUILDER	CUSTOMER	DRAWING NO	FLVPHWR1
LOCATION	DATE	09/01/09	
PROJECT	DRAWN/CHECK	THL /	
BUILDERS PO#	PAGE	7 OF 8	
VP BUILDINGS VARCO-PRUDEN A BlueScope Steel Company VPC VERSION: 7.1c			



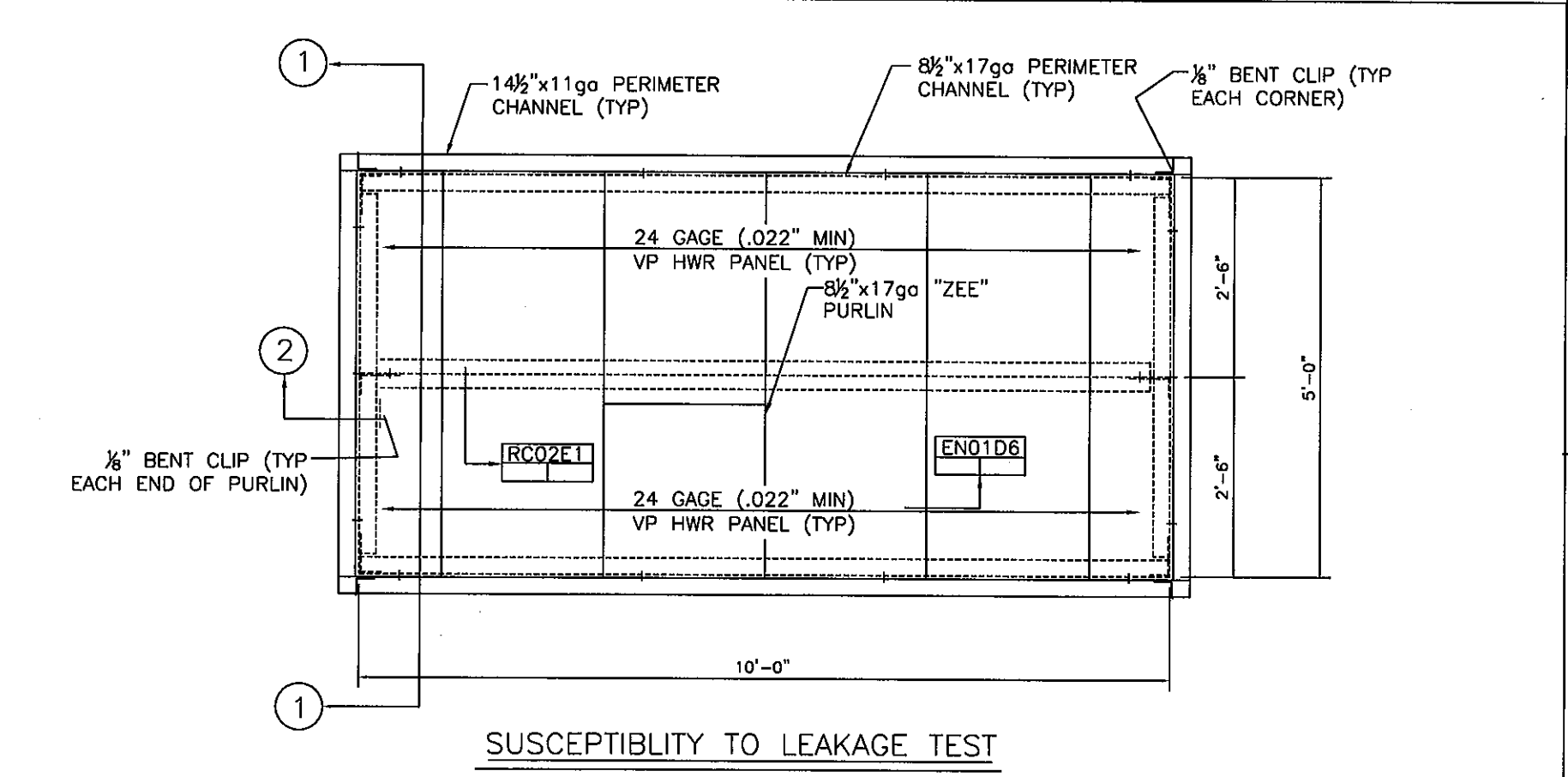
VP HWR ROOF
PANEL ENDLAP (SEE NOTES BELOW)
RC02B7V1 01/17/2005



VP HWR ROOF
PANEL ENDLAP PROFILE VIEW (SEE NOTES BELOW)
RC03B7V1 01/17/2005



VP HWR ROOF
PANEL SIDELAP
RC03B7V1 01/17/2005

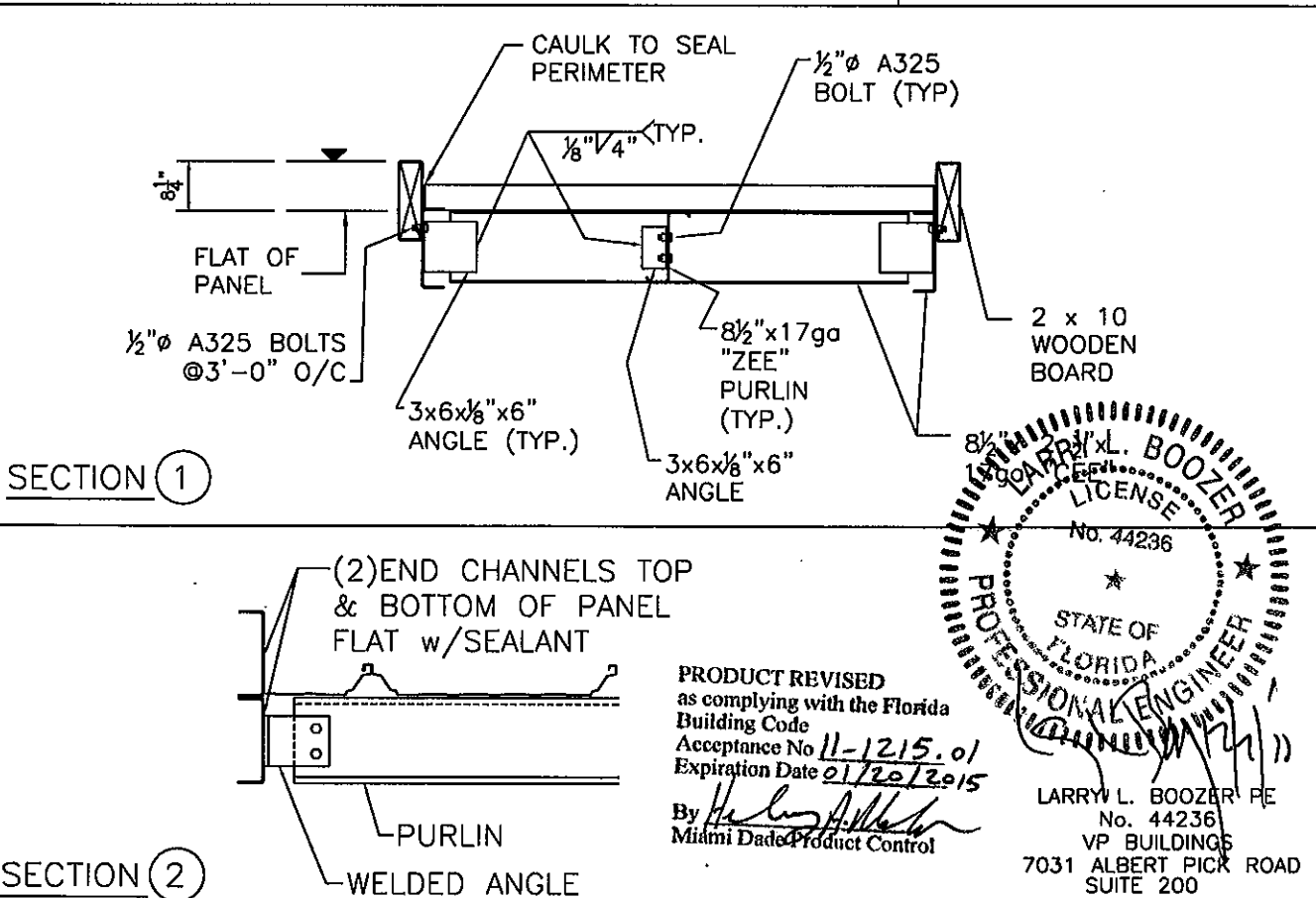


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VP HWR PANEL (24" WIDE x 24 GA. STEEL)			
REV	DATE	BY	DESCRIPTION
Δ	11/30/11	LLB	SECTIONS AND NOTES
NTS			
Builder			
Customer			
Location			
Project			
Builder's PO#			
Drawing No. FLVPHWR1			
Date 09/01/09			
Drawn/Check THL /			
Page 8 OF 8			